

EMBEDDED 3D COIL INDUCTORS IN A LOW TEMPERATURE, CO-FIRED CERAMIC SUBSTRATE

ABSTRACT OF THE DISCLOSURE

5 A method for forming an embedded three-dimensional inductor is provided. Generally, a first coil winding is formed. A first dielectric layer is placed on the first coil winding. At least part of second coil winding is formed on the first dielectric layer and part of the first coil winding to create an electrical contact between the first coil winding and the second coil winding. A first tape layer with a cavity is provided, 10 where the first coil winding, the first dielectric layer, and the second coil winding are within the cavity of the first tape layer.